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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re U.S. Patent No. 7,155,518) Serial No. 09/755,027
Inventor(s): Jan FORSLOW) Filed: January 8, 2001
Issue Date: December 26, 2006) Attorney Docket No. 000254.00012

For: EXTRANET WORKGROUP FORMATION ACROSS MULTIPLE MOBILE VIRTUAL
PRIVATE NETWORKS

REQUEST FOR CERTIFICATE OF CORRECTION

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Certificate

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of Correction

Sir:

Pursuant to 35 U.S.C. § 254 and 37 C.F.R. § 1.322, this is a request for the issuance of a Certificate of Correction in the above-identified patent. Two (2) copies of PTO Form 1050 are appended. The complete Certificate of Correction involves 1 page.

The mistake identified in the appended Form occurred through no fault of the Applicant, as clearly disclosed by the records of the application, which matured into this patent. Enclosed for your convenience are the relevant parts of the Reply to Office Action of April 26, 2006.

Issuance of the Certificate of Correction containing the correction is respectfully requested. Since this change is necessitated through no fault of the Applicant, no fee is believed to be associated with this request. Nonetheless, should the Patent and Trademark Office determine that a fee is required, please charge our Deposit Account No. 19-0733.

Respectfully submitted,

BANNER & WITCOFF, LTD.

By: 

C. Andy Mu
Registration No. 58,216

Dated: September 5, 2007
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UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO.: 7,155,518
DATED: December 26, 2006
INVENTOR(S): Jan FORSLOW

It is certified that an error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Claim 23, Column 24, Line 23:

Please delete "routers alone a path" and insert --routers along a path--

Mailing Address of Sender:

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FORM PTO 1050 (Rev.2-93)

U.S. PAT. NO 7,155,518

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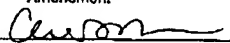
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OUR REFERENCE (C/M) NO.: 000254.00012

RE: U.S. Application No. 09/755,027

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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	09/755,027	
	Filing Date	January 8, 2001	
	First Named Inventor	Jan Forslow	
	Art Unit	2143	
	Examiner Name	Jeffrey C. Pwu	
Total Number of Pages in This Submission	17	Attorney Docket Number	000254.00012

ENCLOSURES (check all that apply)

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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

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Signature			
Typed or printed name	Chunhsi Andy Mu	Date	August 28, 2006

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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86. (Previously Presented) The routing system of claim 85, wherein a source sequence number in the route request to an active peer is set equal to the new destination sequence number of the mobile node.

87. (Currently Amended) ~~The~~ A mobile routing system, comprising: of claim 86,
a mobile node;
a plurality of sinks in a computer network, the plurality of sinks including a plurality of
mobile routers; and
memory storing computer readable instructions, that, when executed by the processor,
cause the routing system to perform a method that includes the steps of:
detecting movement of the mobile node between the plurality of sinks in the
computer network; and
maintaining a connection by maintaining a stable IP address for the mobile node
and sustaining, without packet loss, one or more active application sessions between the mobile
node and one or more active peers upon detecting movement of the mobile node in accordance
with a predefined reactive routing protocol,
wherein the reactive routing protocol includes an Ad-hoc On-Demand Distance Vector
(AODV) protocol,
wherein the routing system is further configured to extend the reactive protocol with a
proactive routing update for the one or more active peers upon detecting movement of the mobile
node from an old sink to a new sink,

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wherein the mobile node transmits an initial message to the new sink with a destination sequence number set equal to a destination sequence number of a last registration reply that was distributed via the old sink,

wherein the new sink treats the message as an indication that the mobile node is requesting the new sink to act as the mobile node's ingress router in the routing system network,

wherein the new sink transmits an unsolicited route reply toward the old sink if it has an existing route toward the mobile node in a routing table of the new sink and if the destination sequence number is the same for the route as the one received from the mobile node in the initial message,

wherein the new sink sends a route request with a destination sequence number set to the same value as the sequence number received from the mobile node in the initial message,

wherein the old sink or a mobility router along a path to the old sink, responds with a route reply message,

wherein the new sink sends an unsolicited route reply message for the mobile node destination with the route request source IP address set to the old sink and the destination sequence number incremented by one,

wherein the old sink and one or more mobility routers along the path to the old sink and one or more mobility ~~routers along a path~~ to the new sink are updated with a new route having a preferred destination sequence number,

wherein the old sink forwards packets destined to the mobile node along a route via the new sink,

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wherein a route reply is sent from the old sink via the new sink to the mobile node to indicate that a handover procedure has been successful and wherein the new sink sends a route error to the mobile node if it cannot reach the old sink,

wherein the mobile node migrates a forwarding of datagrams from a link of the old sink to a link of the new sink,

wherein the mobile node determines an optimized path toward active peers by initiating route requests toward the active peers,

wherein a source sequence number in the route request to an active peer is set equal to the new destination sequence number of the mobile node, and

wherein one or more replies to the route request establishes a bi-directional, optimal path between the mobile node and the one or more active peers.

88. (Currently Amended) The routing system of claim 72, wherein a mobile service router sink also acts as a proxy for mobility routing protocol exchanges between the mobile node and the network in that the mobile service router sink initiates a route request on behalf of the mobile node upon receipt of a datagram from the mobile node not compliant with an adhoc routing protocol applied in the computer network.

89. (Previously Presented) The routing system of claim 88, wherein the mobile node uses a Dynamic Host Configuration Protocol (DHCP) request as an initial message to the new sink.